

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001837

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ G01F 23/00, G01F 23/30, G08B 21/00

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
CPD G01F 23/00, 30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)
CPD G01F 23/00, 30 and alarm, sound, emitter; Delphion ("fluid level" or "liquid level") and detector and (alarm or sound or emitter) and (vessel or container)); (sump and pump and water and alarm); ("water level" and float and alarm and battery); US WEST (sump and (water or liquid or fluid) and alarm and level and (indicator or detector) and (container or vessel) not pump)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US6337632 (Dickie et al) 8-Jan-2002 abstract, summary of invention and fig. 4	1, 8
X	US6367096 (Quintana) 9-April-2002 abstract, column 2, lines 55-59, column 3, lines 45-50, fig 2.	8
Y	CA1261940 (Ottenhof) 26-September-1989 page 2, lines 8-23, all claims, figs. 2 and 3	1, 3, 4, 8
Y	US5314313 (Janesky) 24-May-1994 abstract, summary of the invention, figs. 1 and 2	1, 2, 8, 9
X Y	US6414598 (Freill et al) 2-July-2002 abstract, column 2, lines 53-62, column 3, lines 36-47, the claims	8; 1, 11
X Y	US5894611 (Toro) 20-April-1999 abstract, column 7, lines 4-29, figs. 1 and 3	1-4; 8-10
X	US6160482 (Hill) 12-December-2000	1, 2;

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents : "I"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search
10 January 2005 (10-01-2005)Date of mailing of the international-type search report
23 March 2005 (23.03.2005)Name and mailing address of the ISA/
Commissioner of Patents
Canadian Patent Office - PCT
Ottawa/Gatineau K1A 0C9
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INTERNATIONAL SEARCH REPORT
Information on patent family members

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PCT/CA2004/001837

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US6337632	08-01-2002	CA2375037 A1 US6337632 B1	20-09-2002 08-01-2002
US6367096	09-04-2002	CA2342697 A1 EP1227193 A2 US6367096 B1 US2002095721 A1	25-07-2002 31-07-2002 09-04-2002 25-07-2002
CA1261940	26-09-1989	CA1261940 A1	26-09-1989
US5314313	24-05-1994	CA2124907 A1 US5314313 A	24-12-1994 24-05-1994
US6414598	02-07-2002	CA2292901 A1 US6414598 B2	16-06-2001 02-07-2002
US5894611	20-04-1999	US5894611 A	20-04-1999
US6160482	12-12 -2000	US6160482 A	12-12-2000